



SEQUENCE LISTING

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<110> Rothschild, Max F.
Vincent, Amy L.
Tuggle, Christopher K.

<120> PROLACTIN RECEPTOR GENE AS A GENETIC MARKER FOR INCREASED LITTER SIZE IN ANIMALS

<130> P02285UD5

<140> US 09/900,063

<141> 2001-07-06

<150> US 08/812,208

<151> 1997-03-06

<150> US 08/742,805

<151> 1996-11-01

<150> US 60/022,180

<151> 1996-07-19

<160> 18

<170> PatentIn version 3.1

<210> 1

<211> 20

<212> DNA

<213> Porcine

<400> 1

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20

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<400> 2

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<221> allele

<222> (240)..(240)

<223> G/A polymorphic site

<400> 3

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cggagaaggc tggcgccccct gaaaccagca aggaatacgc ccagggtgtcc cgggtgatgg      120
ataaccacat cctggtgtta gtgcaggatc cgcgagctcg aaacgtggct ccgtttgaag      180
aaccaaccaa ggagacccccg ccatccccggc cgcagaatcc agctgcgaaa gacctggccg      240
gcttcaccac ggccccgggc cactgcagac acccgctggg tgggctggat tacctcgatc      300
ccgcaggctt tatgcactcc tttcagtgag agcttgggtc atgggatgat gggttacaag      360
gtgggggtttt tttcaggtcg cactacgtga aatgcactct accagagaaa gctcgaaaat      420
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cacttgcttc tt                                                                492

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<210> 4
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<220>
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<220>
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<222> (13)..(13)
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<210> 6
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<210> 7
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<400> 8
 caaggtggga acatgagt 18

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 gcacctcatt ttgccattag ctgcattagc cataaaaaaa aaaaaaaaaa ctttttctca 180
 gtgctagaaa aaaacagaat agactcattt gaaactgac ttctctctac caaagggagt 240
 agcgcagtty tgaaatagta aacgtctgac aagaacagca aataatccca ctagtaattt 300
 cagaatccgc ctctcaatt agccagaatt cactgtgatg ctggcctcta taattattat 360
 ttgtcttcac cactgattag ttccacatca tgaaaattgc atgtcattta gtttcacrta 420
 gcctcagaac caaccctaatt tctacctgc catatccctg tagcagctat tcgaagatca 480
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gcatccgggc caaaaataaa aggatt

566

<210> 15
<211> 518
<212> DNA
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<222> (49)..(49)
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<222> (67)..(67)
<223> n = unknown in amino acid position 67

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gccctgcac cctacacca ctagcctcaa gatgtcatcc ctgccctggc cccacccat 180
ctgcttctgt caccagcaga atgggtccagt cattgagcgg accttcatat tgactccagt 240
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accaactaga cgctgactta ccacaaggaa gggtaagcat tcgcgtgtct cccaacaaac 420
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<210> 16
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<213> Homo sapiens

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accacagggga agg 133

<210> 17
<211> 53
<212> PRT
<213> Homo sapiens

<400> 17

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35 40 45

Arg Glu Gly Thr Lys
50

<210> 18

<211> 132

<212> DNA

<213> Porcine

<400> 18

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cgctgctgg tggaagccgg gggcggatgg aggacttcct accaactaga cgctgactta 120

ccacaaggaa gg 132